

PCT

See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)

WIPO PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

FOR FURTHER ACTION

(PCT Article 36 and Rule 70)

International filing date (day/month/year) Priority date (day/month/year)

PCT/US00/12065	03 MAY 2000		03 MAY 1999
International Patent Classification (IPC) or national classification and IPC Please See Supplemental Sheet.			
Applicant SYNAPTIC PHARMACEUTICAL CORPORATION			
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 			
2. This REPORT consists of a t	otal of sheets.		
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).			
These annexes consist of a tot	al of sheets.		
3. This report contains indications	relating to the follow	ving items:	
I X Basis of the report			
II Priority			
III X Non-establishment	of report with regard	to novelty, inventi-	ve step or industrial applicability
IV Lack of unity of i			
V X Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
VI Certain documents	cited		
VII Certain defects in th	e international applicat	tion	
VIII Certain observations on the international application			
_		A	
			_
•			
Date of submission of the demand		Date of completion	of this report
01 DECEMBER 2000		17 APRIL 2001	
Name and mailing address of the IPEA/US		Authorized officer	0 . 1 / 2 /
Commissioner of Patents and Tradema Box PCT Washington, D.C. 20231	rks	EILEEN B. O'F	IARA Chill of
Facsimile No. (703) 305-3230			
Form PCT/IPEA/409 (cover sheet) (July 1998)*			

Applicant's or agent's file reference

59138-B-PCT International application No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

I. Basis of the rep rt

		_
International	application	No

PCT/US00/12065

				
1. With	regar	d to the elements of the intern	national application:*	
x	the i	nternational application as	originally filed	
Ī	the e	description:		
	page	s 1-131		, as originally filed
	page	s NONE		, filed with the demand
	page	s NONE	, filed with the letter of	
ΓV	the o	laims:		
ىد	page	100 100		, as originally filed
		s NONE	, as amended (together with any st	
	page	s NONE	·································	filed with the demand
	page	s NONE	, filed with the letter of	
[x]	the o	lrawings:		
	page	1 25		as originally filed
	-	s NONE		, filed with the demand
			, filed with the letter of	,
		-	, , , , , , , , , , , , , , , , , , , ,	
X	the s	equence listing part of the	description:	
_	page	s <u>1-20</u>		
	page	s <u>NONE</u>		, filed with the demand
	page	s NONE	, filed with the letter of	
the	intern se ele the la	ational application was filed, ments were available or furni anguage of a translation fi anguage of publication of nguage of the translation furn	ments marked above were available or furnished to this Autunless otherwise indicated under this item. shed to this Authority in the following language arnished for the purposes of international search (un the international application (under Rule 48.3(b)). ished for the purposes of international preliminary examina	which is: der Rule 23.I(b)).
			or amino acid sequence disclosed in the international and out on the basis of the sequence listing:	application, the international
X	conta	ined in the international a	application in printed form.	
x	filed	together with the internat	ional application in computer readable form,	
	furni	shed subsequently to this	Authority in written form.	
furnished subsequently to this Authority in computer readable form.				
The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.				
	The s been	tatement that the informatio furnished.	n recorded in computer readable form is identical to the	writen sequence listing has
4. X	The	amendments have resulted	in the cancellation of:	
	X	the description, pages	NONE	
	×	the claims, Nos.	NONE	
	x	the drawings, sheets/fig	NONE	
5.	This	report has been drawn as if	(some of) the amendments had not been made, since the	ey have been considered to go
in th	aceme is rep	nt sheets which have been fur ort as "originally filed" an	s indicated in the Supplemental Box (Rule 70.2(c)).** mished to the receiving Office in response to an invitation of are not annexed to this report since they do not conto	under Article 14 are referred to ain amendments (Rules 70.16
	70.17 renia		th amendments must be referred to under item 1 and ar	mayad to this report

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US00/12065

III. Non-establishment f pinion with regard to novelty, inventive step and industrial applicability			
	questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be strially applicable have not been and will not be examined in respect of:		
	the entire international application.		
X	claims Nos. <u>44-62,75,81,91,99,101-114,120-123,138-142,150-165</u>		
	because:		
	the said international application, or the said claim Nos. relate to the following subject matter which does not require international preliminary examination (specify).		
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify).		
	the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.		
X	no international search report has been established for said claims Nos. (See Attached).		
	aningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid noe listing to comply with the standard provided for in Annex C of the Administrative Instructions: the written form has not been furnished or does not comply with the standard. the computer readable form has not been furnished or does not comply with the standard.		

Internati

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US00/12065

V. Reas ned statement under Article 35(2) with regard to n velty, inventive step r industrial applicability; citations and explanations supporting such statement				
1. statement				
Novelty (N)	Claims	(Please See supplemental sheet)	YES	
novely (iv)	Claims	(Please See supplemental sheet)	NO NO	
Inventive Step (IS)	Claims Claims	(Please See supplemental sheet) (Please See supplemental sheet)	YES NO	
	Ciainis	(Flease See Supplemental Sileet)	NO	
		(B) - C L L + -		
Industrial Applicability (IA)	Claims Claims	(Please See supplemental sheet) (Please See supplemental sheet)	YES	
	Ciamis	(reads over supplemental sheet)	NO	
(4), because the prior art does not teach or fair receptor, the SNORF36 receptor, and methods has industrial applicability in that the nucleic a encoded protein can be used in methods to ser	ly suggest the of screening f acid molecules een for compo	-137 and 143-149 meet the criteria set out in PC inucleic acids encoding the polypeptide identifie for antagonists or agonists of the receptor. The can be used to screen for related nucleic acid munds that bind to it or to produce antibodies.	d as SNORF36	
NONE				
			-	
		•		



International application No.

PCT/US00/12065

Supp	lemental	B
------	----------	---

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

CLASSIFICATION:

The International Patent Classification (IPC) and/or the National classification are as listed below: IPC(7): COTK 147/05; COTH 21/04; C12N 15/63, 1/21; C12P 21/02; G01N 33/53 and US Cl.: 530/350; 536/23.5; 436/7.1, 69.1, 252.3, 254.2, 320.1, 361

III. NON-ESTABLISHMENT OF REPORT:

No international search report has been established for claim numbers 44-62.75.81.91.99.101-114.120-123.138-142.150-165

V. 1. REASONED STATEMENTS:

The report as to Novelty was positive (YES) with respect to claims 1-43,63-74,76-80,82-90,92-98,100,115-119,124-137,143-149

The report as to Novelty was negative (NO) with respect to claims NONE.

The report as to Inventive Step was positive (YES) with respect to claims 1-43,63-74,76-80,82-90,92-98,100,115-119,124-137,143-149.

The report as to Inventive Step was negative (NO) with respect to claims NONE.

The report as to Industrial Applicability was positive (YES) with respect to claims 1-43,63-74,76-80,82-90,92-98,100,115-119,124-137,143-149.

The report as to Industrial Applicability was negative (NO) with respect to claims. NONE.